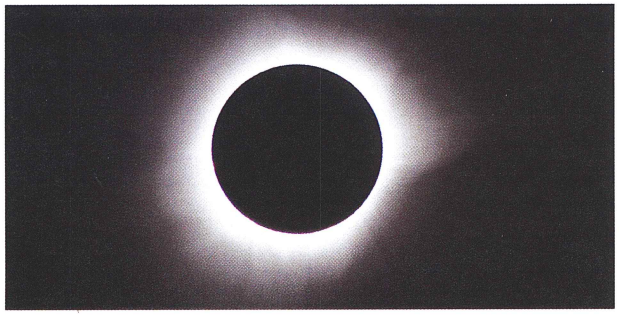
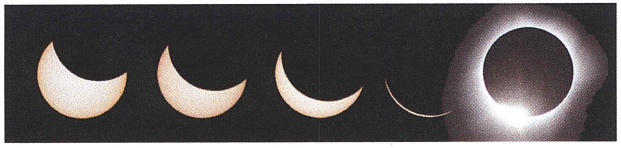
ECLIPSE SAFETY

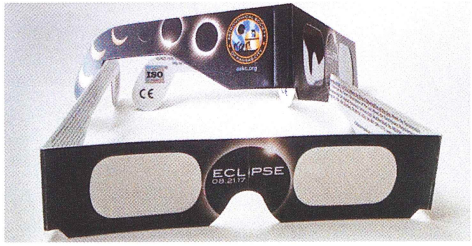
- The only time it is safe to look at an eclipse without protection is during totality!



- If any part of the disk of the Sun is visible, you can permanently damage your eyes without protection.



- Proper solar eclipse glasses are required to view the sun safely during the partial phases before and after totality.



No. 14 (ONLY) welder's glass available from welding supply houses may also be used during the partial phases.

- Sunglasses of any kind, color or density will not protect your eyes!

ADDITIONAL RESOURCES

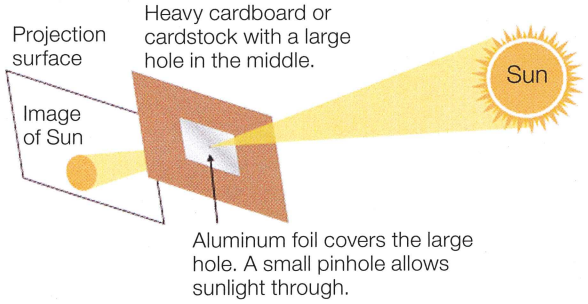
Check eclipse viewing and times for any location:
xjubier.free.fr/en/site_pages/solar_eclipses/TSE_2017_GoogleMapFull.html

Useful sites with lots of information:

- eclipse2017.askc.org
- eclipse.gsfc.nasa.gov
- exploratorium.edu/eclipse
- greatamericaneclipse.com
- allamericaneclipse.com
- eclipsewise.com
- eclipse2017.org

Make your own pinhole viewer:

- nsta.org/publications/press/extras/files/solarscience/SolarScienceInsert.pdf



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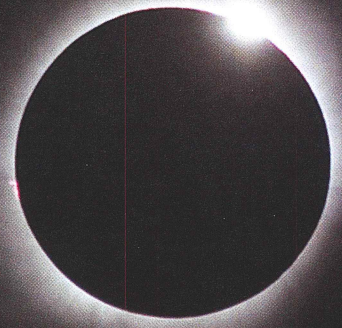
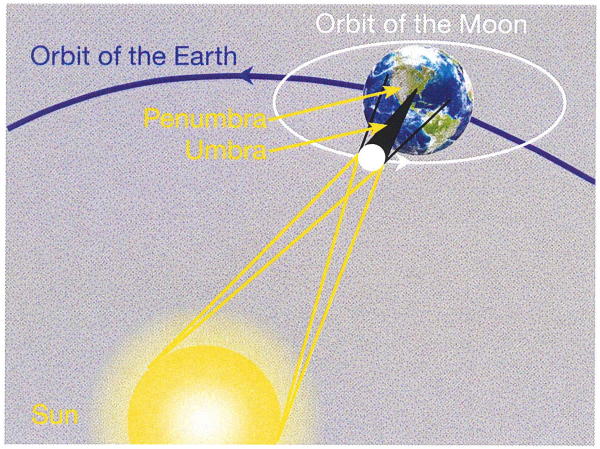
TOTAL SOLAR ECLIPSE AUGUST 21, 2017

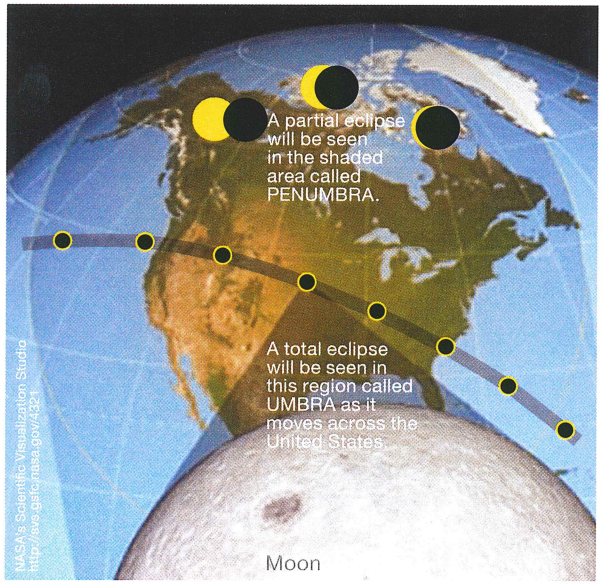
What it is,
where to see it,
how to view it
and where to get
more information
about it.

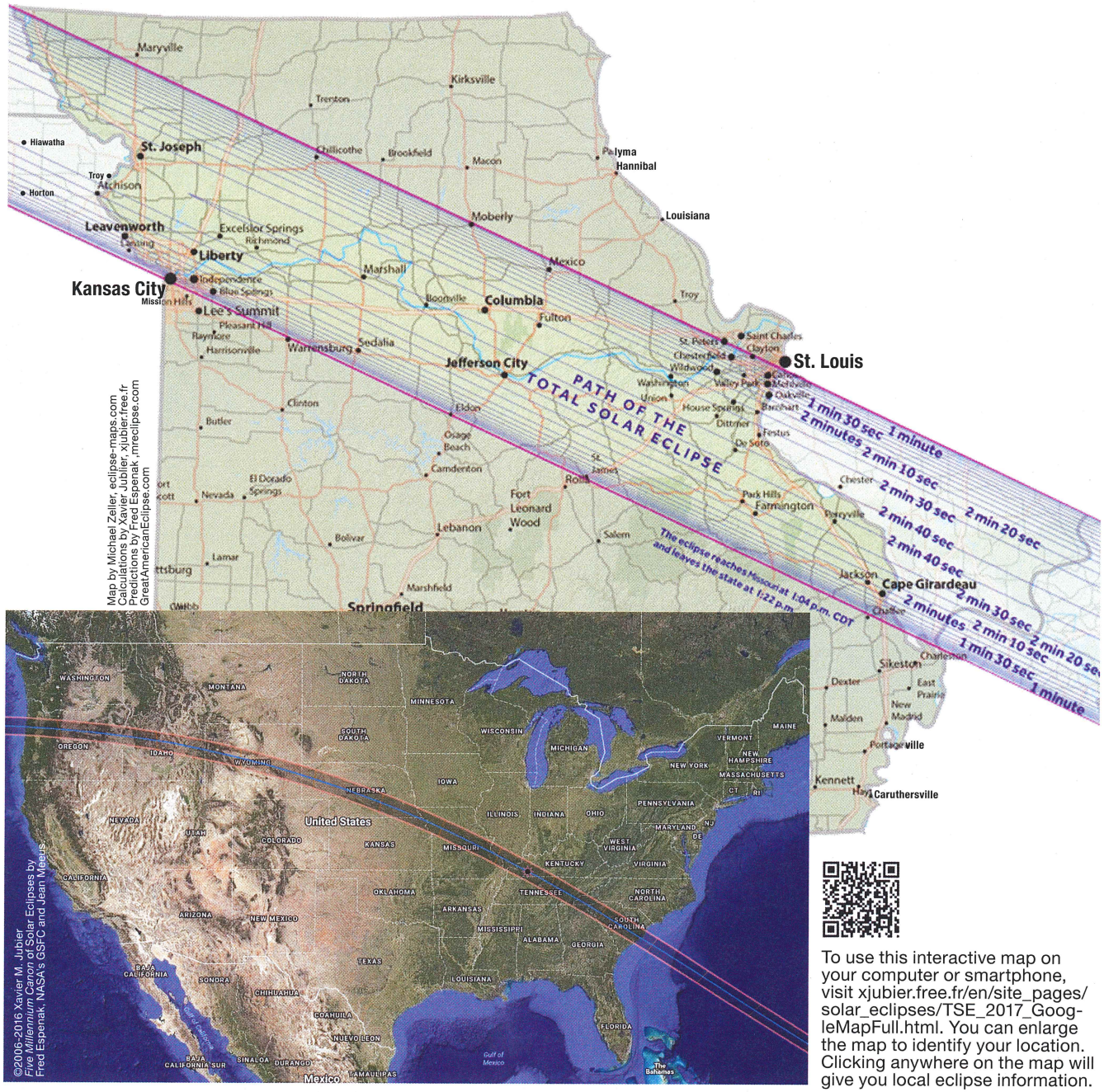


WHAT IS AN ECLIPSE?



A solar eclipse occurs when the sun and the moon are aligned such that the shadow of the moon falls on Earth. People in the moon's umbra will experience a total solar eclipse, while those in the penumbra will experience a partial eclipse. Because of the motion of the Earth and moon, the moon's shadow traces a path across the Earth's surface. Although total eclipses occur about twice a year, the location of the path changes, making eclipses rare at any given location on Earth.





A total solar eclipse will cross the United States from Oregon to South Carolina on August 21, 2017. This is the grandest spectacle in the sky and you should see this at least once in your life. To see day turn to night and the majesty of the Sun's corona, travel to a location inside the path of the eclipse

To use this interactive map on your computer or smartphone, visit xjubier.free.fr/en/site_pages/solar_eclipses/TSE_2017_GoogleMapFull.html. You can enlarge the map to identify your location. Clicking anywhere on the map will give you local eclipse information.